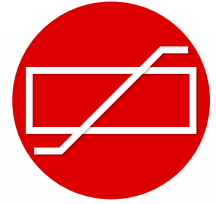


Ultra High Voltage

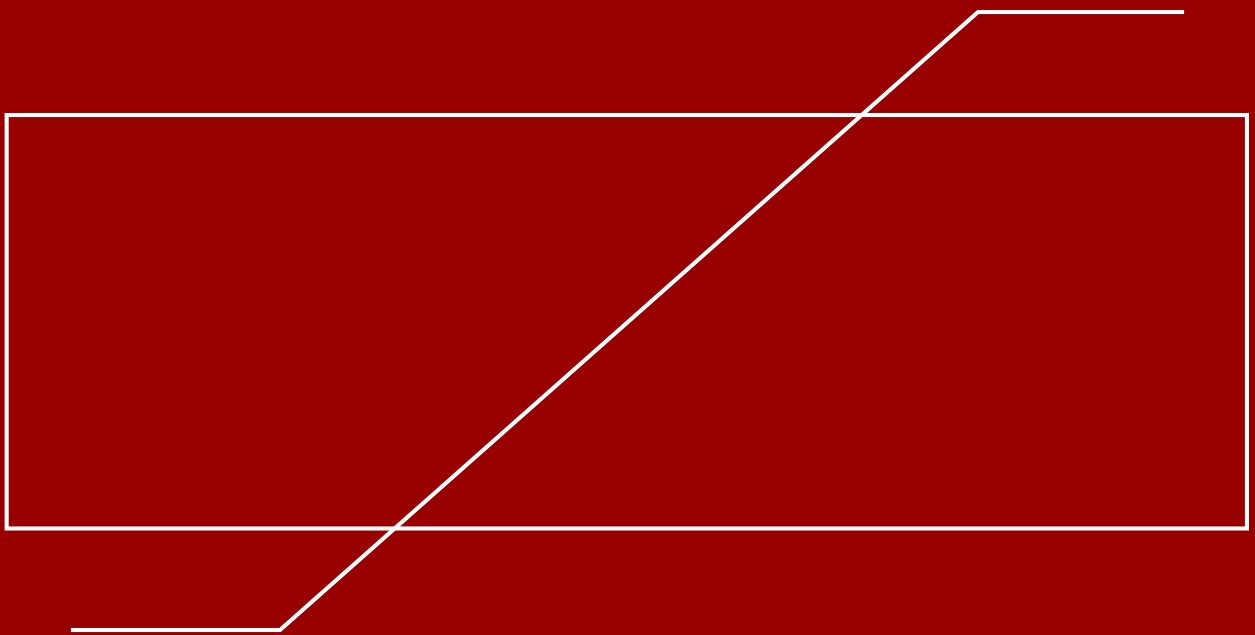


**OBLUM**  
50 YEARS OF EXCELLENCE

# Pioneering Cutting-Edge Solutions for Tomorrow



Powering Progress for Over Half a Century: We've been at the forefront of electrical polymer surge arresters manufacturing, continuously innovating for 50+ years, delivering solutions that energize the world.





# Global Presence

Oblum business operations are present in multiple geographies across the globe. We are committed to our vision of driving positive change in the environment and in the lives of people.



## Asian Countries

- Philippines
- Iraq
- Bangladesh
- Srilanka
- Turkey
- Abu Dhabi
- Bhutan
- Malaysia
- Nepal
- Uganda
- Uae
- Afghanistan
- Vietnam
- Sharjah
- Nigeria
- Colombo
- Kabul
- Jordan
- Kenya
- Yemen
- Dubai
- Armenia
- Georgia
- Japan
- Kuwait

## South American Countries

- Peru
- Paraguay

## North American Countries

- Nicaragua
- Canada

## European Countries

- Finland
- Spain

## African Countries

- Kenya
- Rwanda
- Togo
- Mali
- Zambia
- Burkina Faso
- Mozambique
- Congo
- Tanzania
- Uganda
- South Africa
- Ivory Coast
- Ethiopia
- Botswana
- Liberia
- Transco Clsg
- Ghana
- Sierra Leone
- Gambia

# Ultra High Voltage

S No	Description	624kV 20kA SH
	<b>Model</b>	<b>PAT</b>
1	Highest system voltage kV rms	800
2	Nominal system voltage kVrms	765
3	Ur - Rated voltage kVrms	624
4	Uc - MCOV(kVrms)	490
5	In - NDC (8/20 $\mu$ s) kA	20
6	Arrester classification	Station High Duity
7	Qrs (IEC 99-4 Ed.3) in coulomb	3.6
8	Wth (IEC 99-4 Ed.3) in kJ/kV	13
9	Qth (IEC 99-4 Ed.3) in coulomb	
10	Max RDV kVp	
	a) 5kA	
	b) 10kA	1380
	c) 20kA	1480
11	Max. Switch. Imp. R.V.(kVp)	
	a) 500A	
	b) 1000A	
	c) 2000A	1220
12	Max. Steep Current impulse RDV(kVp) at NDC	1650
13	High current impulse withstand value (4/10 $\mu$ s) kA	100
14	TOV (kVp)	
	i. 0.1	1103
	ii. 1.0Sec	1059
	iii. 10.0Sec	1015
	iv. 100.0Sec	970
15	Short circuit current kA	40/50/63 as applicable
16	Insulation Withstand	
	a) Lightning Impulse (kVp)	As per IEC 60099-4 2014
	b) Power frequency kVrms	As per IEC 60099-4 2014
	c) Switching Imp (Wet) (kVp)	NA
17	Rated frequency (Hz)	48 to 62
18	Leakage current	
	a. IR at MCOV in $\mu$ A	Less than 500
	b. IC at MCOV in mA	About 1.5
19	Reference voltage in Volt at Reference current in mA	> 624kV at 5mA
20	Partial discharge P.D	10pC
21	Creepage distance-mm (min) Phase to Phase	25mm/kV /31mm/kV (as applicable)
22	Max. Cantilever strength of arrester Kgf	350/500 (as applicable)

**Exports/Technical :**

**Ms.Bhargavi**

Ph: +91 89770 89857

E : [bhargavi@oblum.co.in](mailto:bhargavi@oblum.co.in)

[overseas@oblum.co.in](mailto:overseas@oblum.co.in)

**Technical :**

**Mrs. Nagalakshmi**

Ph :+91 9848352440

E : [nagalakshmi.k@oblum.co.in](mailto:nagalakshmi.k@oblum.co.in)

[technical@oblum.co.in](mailto:technical@oblum.co.in)

**Oblum Electrical Industries (P) Ltd.**

#A-16&17, Assisted Private Industrial  
Estate, Balanagar,Hyderabad - 500 037

Land Line: 040-2377 1880

GST : 36AAACO2289A1ZQ

**[www.oblum.co.in](http://www.oblum.co.in)**

